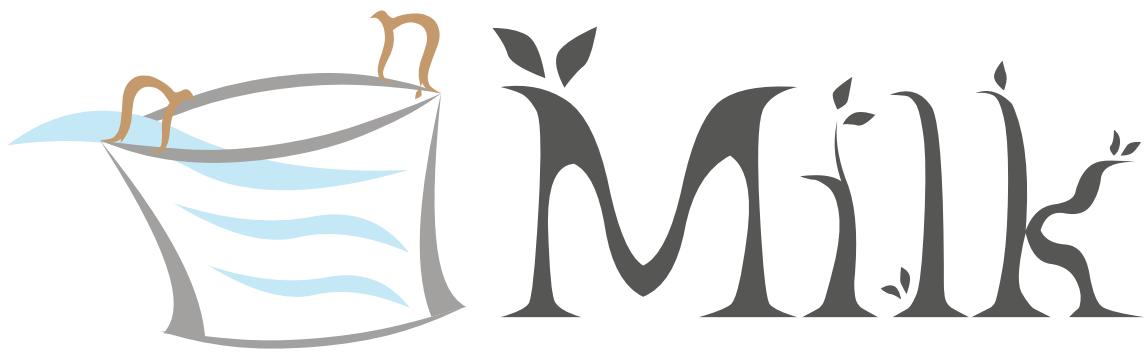


GrowthCraft - Milk Module



Vanilla Items

Bucket of Milk

Cocoa

Sugar

Cocoa

Wooden Bowl

Sword

Glass Bottles

Buckets

String

White Dye

Yellow Dye

Orange Dye

Red Dye

Black Dye

Pumpkin

Clay Ball

Module Items

Beeswax

Melted and colourized and used to coat unaged Cheddar and Monterey. 3 Variants: Plain Beeswax, Red Beeswax, Black Beeswax



Calf Stomach

Stomach drops on Cows that aren't Adults. Stomach is boiled in Brew Kettle, produces Rennet fluid.



Thistle

Plant that spreads (mushroom logic to spread). Harvested when block is broken with hands. Thistle is boiled in Brew Kettle to produce Rennet fluid.

Spawn-weight: 1 block in 10 chunks

Location: On grass blocks

Biomes: Extreme Hills (and variants)



Starter Culture

Used in cheese-making process. Created by putting Skim milk in jar, on heat source block. Configurable transform time.



Cheesecloth

Item used to strain Whey from Curds, and in unaged cheese wheel crafting. Created by crafting 9 pieces of string.



Salt

Item used to flavour butter & cheeses. Derived from placing Saltwater in Brew Kettle (no output fluid)



Butter

Edible item. Two varieties: Unsalted & Salted



Ice Cream

Edible Item. Two varieties: Plain & Chocolate.



Yogurt

Edible Item. One type: Plain Yogurt



Cheeses

Cheddar



Gorgonzola



Swiss



Appenzeller



Asiago



Parmesan



Monterey



Ricotta



Module Blocks

Brew Kettle (Cellar Module)

Used for making Rennet and Salt

Cheese Vat

Cauldron-like block. Has 16 states:

0: Empty

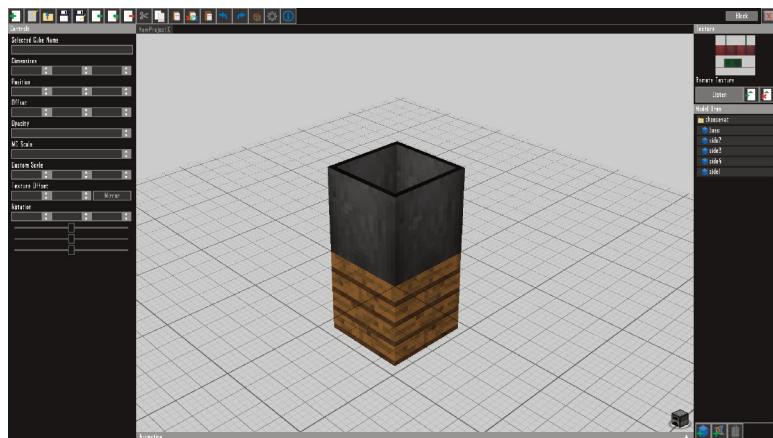
1-12: Contains Milk

13: Contains Milk & Starter Culture

14: Contains Milk & Starter Culture & Rennet

15: Contains Cheese Curds

(textures change, y-position changes, I can provide code for reference/example)



Unaged Cheese blocks

Must be placed in order to age (transform) into Aged Cheese wheels

Cheddar unwaxed

Cheddar

Gorgonzola

Emmentaler

Appenzeller

Asiago

Parmesan

Monterey unwaxed

Monterey waxed

Aged Cheese blocks

Cheddar

Gorgonzola

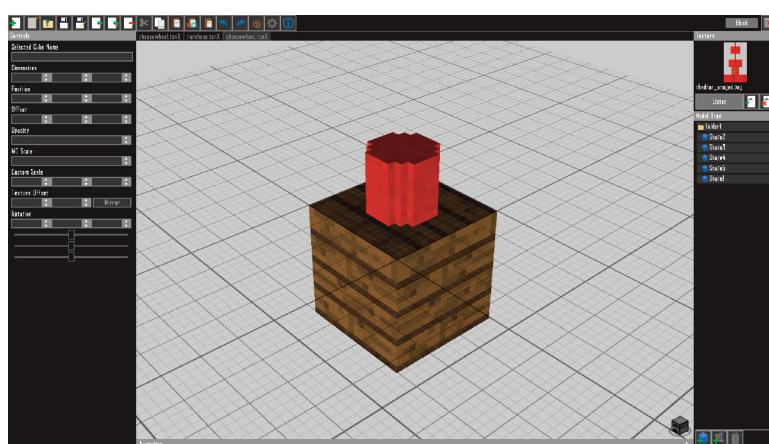
Emmentaler

Appenzeller

Asiago

Parmesan

Monterey

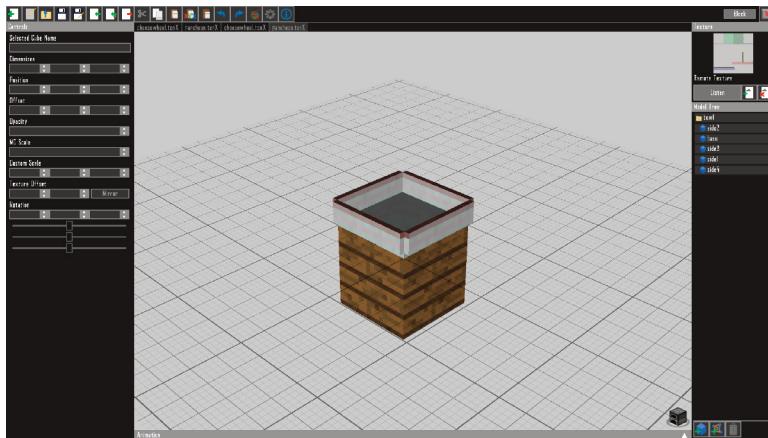


Culture Jar (Yeast Jar from Cellar)

Used for making Starter Culture

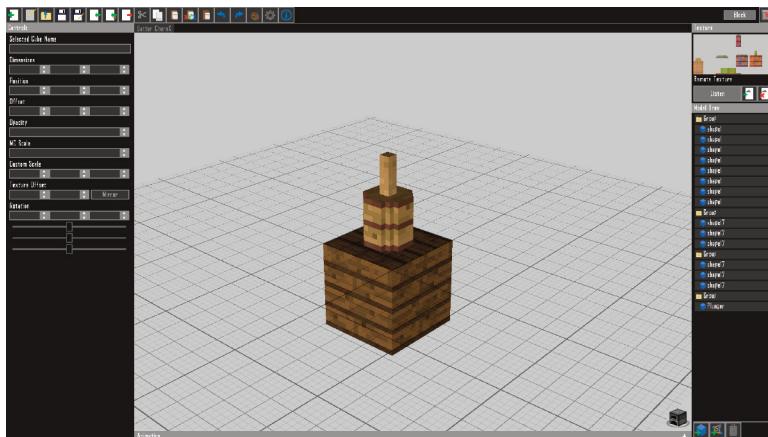
Pancheon

Used for separating Cream and Skim Milk from Milk, and for collecting Whey fluid from draining Curds.



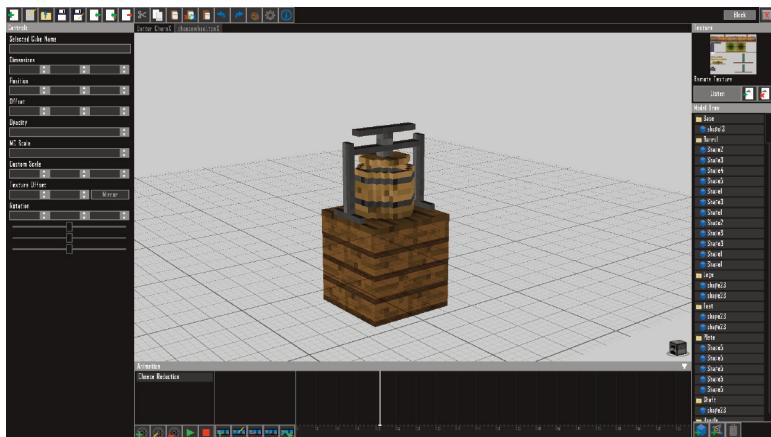
Butter Churn

Used for transforming Cream into Butter & Buttermilk. Player clicks on churn x-times (configurable) for process.



Cheese Press

Used for pressing Curds and shaping Cheese blocks. Cheese curds must sit in active press for x-amount of time (configurable), before transforming into Unaged cheese block.

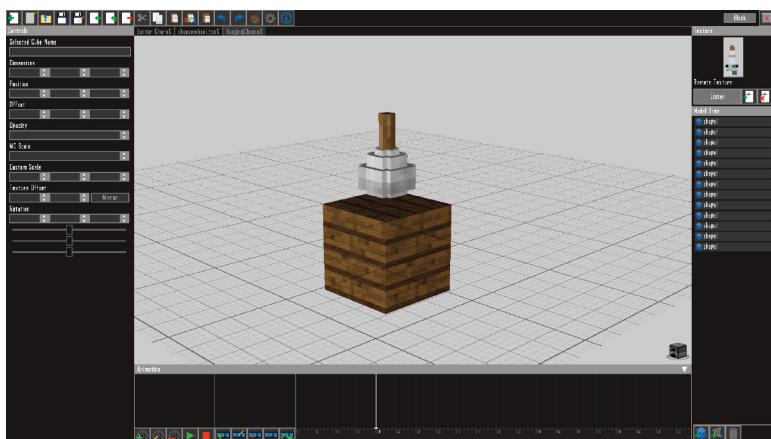


Curds in Cheesecloth

Used to take Curds from Cheese Vat, and then placed as a block to hang and dry. Transforms into Drained Curds in Cheesecloth

Drained Curds in Cheesecloth

Used to fill Cheese Press

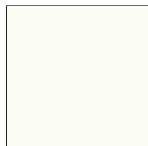


Module Fluids

Milk

Used as a Drink and in Cheese, Butter, Ice-Cream and Yogurt-making processes

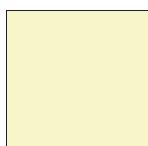
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Cream

Used to make Butter & Ice Cream

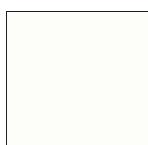
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Skim Milk

Used as a Drink and in Starter Culture-making process

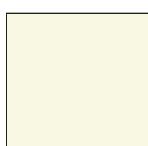
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Buttermilk

Used as Drink

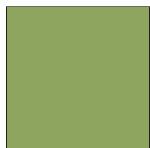
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Whey

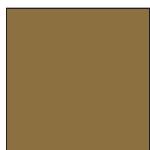
Used as a Drink and in Ricotta Cheese-making process

94a860 : 9742432

**Rennet**

Fluid made from Cow's stomachs and Thistle

877243 : 8876611

**Saltwater**

Used in Brew Kettle to make Salt item. Collected using Bottle or Bucket in Ocean Biome.

(Use vanilla Water colour & Textures)

Module Processes

Making Cream & Skim Milk

Player places vanilla Wooden Bowl to become placed Pancheon Block

Player right clicks Pancheon with 3 Bottles of Milk or 1 Bucket of Milk to fill Pancheon (volume configgable)

Milk sits in Pancheon for x-amount of time (configgable)

Pancheon contents texture changes from Milk to Cream

Player right clicks on Pancheon with Glass Bottle to get Bottle of Cream

Player right clicks on Pancheon with Glass Bottle to get Bottles of Skim Milk

Making Butter

Player places Churn block

Player right clicks Churn with Bottles or Bucket of Cream (volume configgable)

Player right clicks Churn Plunger x-times (configgable) to convert Cream into Butter & Butter-milk at 2 to 1:1 ratio

Player right clicks Churn with Bottle to extract Buttermilk

Player right clicks Churn with hand to extract Butter

Player may craft Butter + Salt (1:1) to make Salted Butter item

Making Salt

Player right clicks on water blocks with bottles/buckets, in Ocean biome (additional biomes are configgable by biome-name or ID#) to acquire bottles/buckets of Salt Water

Player right clicks on Brew Kettle with Salt Water container to fill Brew Kettle

Brew Kettle transforms Salt Water into Salt item (no fluid byproduct)

Player removes Salt item from Brew Kettle

Making Cheese

Player places Cheese Vat block above Heat Source (configgable)
Player fills Vat with Milk to 12th level
Player places Starter Culture in Vat to 13th level
Player places Rennet in Vat to 14th level
Player clicks Vat with Sword and Curds appear (15th level)
Player right clicks Vat with bottles to extract Whey fluid (drops 3 levels)
Player right clicks Vat of Curds with ingredients to create Cheese varietals
Player right clicks Vat with Cheese cloth to extract Curds
Player hangs cheesecloth-curd item from block to drains curds (if Pantheon is below hanging sack, pantheon can collect whey fluid)
Player removes cheesecloth-curd block when in drained state, and places item in Cheese Press
Player presses cheese and let's sit for x-amount of time to produce Unaged Cheese block
(Player must apply Red Wax to Cheddar or Black Wax to Monterey)
Player places Unaged Cheese block and let's it sit for x-amount of time to transform into Aged Cheese block
Player clicks on Aged Cheese block to acquire Cheese (slice) items for consumption

Making Ricotta Cheese

Player places Cheese Vat block above Heat Source (configgable)
Player fills Vat with Whey to 15th level
Player right clicks Vat with bottles to extract Whey fluid (drops 12 levels)
Player right clicks Vat with Cheesecloth to extract Curds
Player hangs cheesecloth-curd item from block to drains curds (if Pantheon is below hanging sack, pantheon can collect whey fluid)
Player removes cheesecloth-curd block when in drained state
Player crafts Drained Cheesecloth-curd block + Wooden Bowl to make Ricotta Cheese

Cheese Varietal Recipes

Cheddar: Salt, Orange Dye/Pumpkin

Gorgonzola: Salt, Fruit

Swiss Cheese: Salt, Wheat

Appenzeller: Salt, Wine or Cider

Asiago: Salt, Salt, Yellow Dye

Parmesan: Salt, White Dye

Monterey: Salt, Red Dye

*all recipes can include an oreDict entry specific to the type of cheese that will allow for config. For example, instead of using Red Dye, the player may config an entry for Peppers - "cheeseIngredientMonterey"

Making Ice Cream

Craft: Cream + Milk + Sugar + Bowl = Ice Cream

Craft: Cream + Milk + Sugar + Cocoa + Bowl = Chocolate Ice Cream

Making Yogurt

Craft: Milk + Starter Culture + Bowl = Plain Yogurt (texture required)

Making Beeswax

Craft: 9 Empty Honeycombs + Beeswax

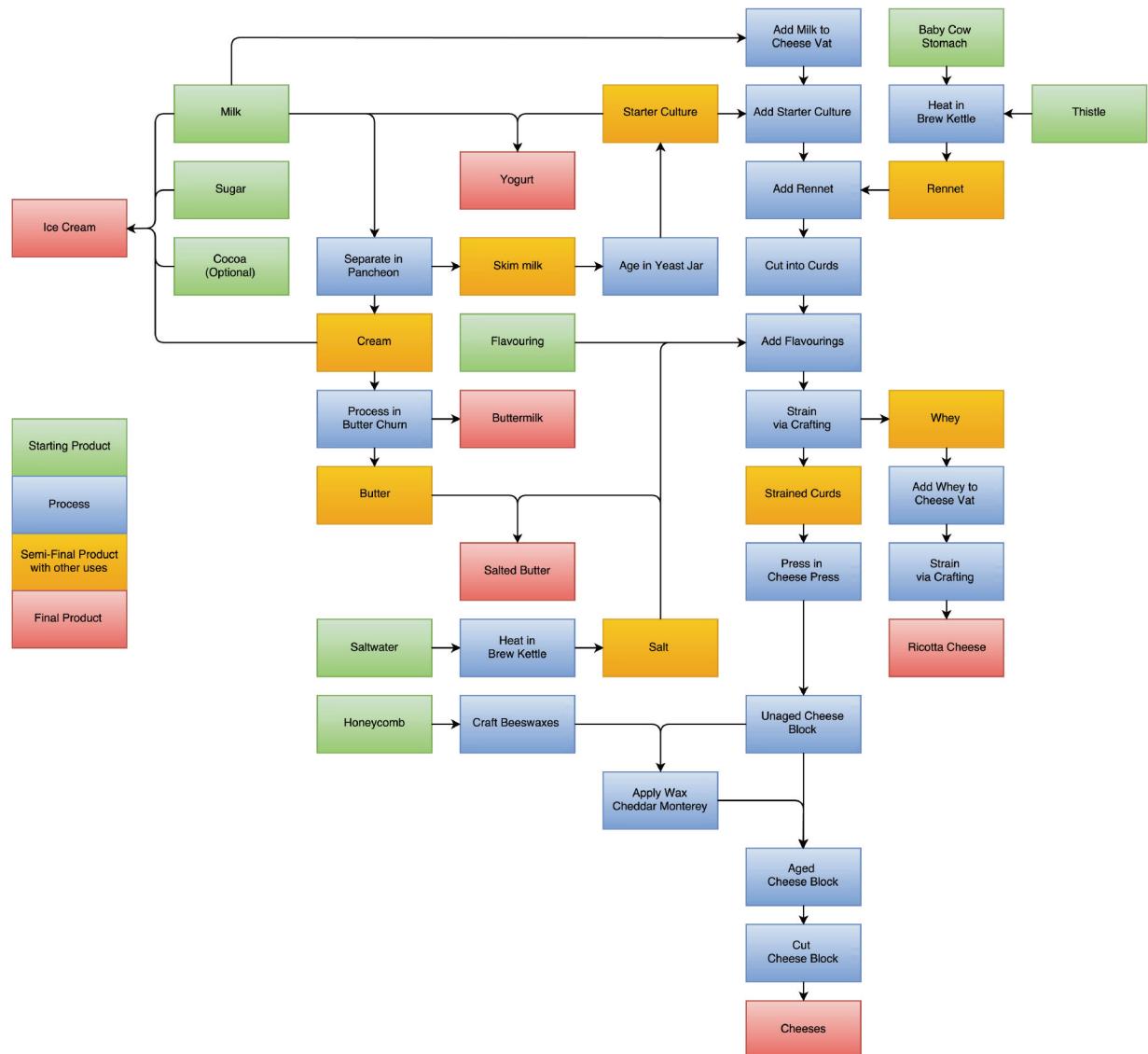
Craft: Beeswax + Red Dye = Red Beeswax

Craft: Beeswax + Black Dye = Black Beeswax

Making Cheesecloth

Craft: 9 pieces of string = Cheesecloth

Module Workflow



Module Recipes

Cheese Vat

Cauldron = Cheese Vat

Butter Churn

null-minecraft:stick-null

plankWood-null-plankWood

plankWood-plankWood-plankWood

Cheese Press

minecraft:iron_ingot-minecraft:iron_ingot-minecraft:iron_ingot

minecraft:iron_ingot-minecraft:chest-minecraft:iron_ingot

minecraft:wooden_slab-minecraft:wooden_slab-minecraft:wooden_slab

Pancheon

minecraft:clay_ball-null-minecraft:clay_ball

minecraft:clay_ball-minecraft:clay_ball-minecraft:clay_ball